

CLAIMS

I claim:

1. A side utility rack for trucks, comprising:

front and rear cages each comprising:

a generally "T"-shaped upper inner bracket having a vertically oriented sleeve and an outward extending receiving tube;

a generally "T"-shaped upper outer bracket having a vertically oriented sleeve and an inward extending insert tube having dimensions for adjustable insertion within said outward extending receiving tube of said upper inner bracket;

a generally "L"-shaped lower inner bracket having a vertically oriented connecting sleeve and an outward extending receiving tube;

a generally "L"-shaped lower outer bracket having a vertically oriented sleeve and an inward extending insert tube having dimensions for adjustable insertion within said outward extending receiving tube of said lower inner bracket;

a first pipe extending upward from said lower inner bracket and through said upper inner bracket; and

21 a second pipe extending upward from said lower outer
22 bracket and through said upper outer bracket;

23 a generally "Y"-shaped attachment bracket corresponding to
24 each said front and rear cages and having a vertical connecting
25 sleeve and an inward extending connecting sleeve extending inward
26 and upward from said vertical sleeve at an acute angle; and

27 a hook bracket corresponding to each said generally "Y"-
28 shaped attachment bracket having an outward curved hook
29 corresponding to the size of a pipe rack length tube, said hook
30 extending from a connecting sleeve;

31 upper pipes extending upward at an angle from said inward
32 extending sleeve of each said generally "Y"-shaped attachment
33 bracket to each said corresponding hook bracket;

34 said vertical connecting sleeve of said generally "Y"-shaped
35 bracket being mounted on a corresponding inner vertical pipe of
36 each said front and rear cage and spaced downward from said
37 corresponding upper inner bracket;

38 whereby said front and rear cages are suspended from a
39 lengthwise upper tube of a pipe rack by hanging said hook
40 portions of said hook brackets thereover, said upper pipe being
41 of such length and said upward angle of said inward extending
42 connecting sleeves of each said "Y"-shaped brackets that said
43 front and rear cages extend downward along a sidewall of said
truck.

1 2. The side utility rack of claim 1, wherein each said
2 lower inner bracket has a horizontal sleeve and wherein said rack
3 further comprises a lower connecting pipe extending through said
4 lower inner brackets at respective horizontal sleeves, thereby
5 spacing said front and rear cages along the sidewall of the
6 truck.

1 3. The side utility rack of claim 2, wherein each said
2 lower inner bracket has a bumper on an inner side thereof such as
3 to protect the sidewall of the truck.

1 4. The side utility rack of claim 3, wherein said inside
2 pipe is adjustably secured relative to said inner upper bracket
3 by an adjusting screw located on said vertical sleeve and said
4 outside pipe is adjustably fixed relative to said upper outer
5 bracket and said lower outer bracket by adjusting screws located
6 on said vertical sleeves thereof.

1 5. The side utility rack of claim 4, wherein each said
2 insert tube of said outer brackets is adjustably secured within
3 respective receiving tubes of said inner brackets by adjusting
4 screws located on said receiving tubes thereof, thereby fixing
5 the spacing of said inside and outside vertical pipes to form a
6 front and rear cages of a desired width.

1 6. The side utility rack of claim 5, wherein each said
2 upper pipe is fixed within said corresponding connecting sleeve
3 of said hook bracket at an upper end by through bolts and at a
4 lower end thereof fixed within said inward extending connecting
5 sleeve of said attachment bracket by mounting bolts.

1 7. The side utility rack of claim 6, wherein each said
2 inside vertical pipe is fixed within said vertical sleeve of said
3 attachment bracket by through bolts and at a lower end thereof
4 fixed within said vertical connecting sleeve of said lower inner
5 bracket by mounting bolts.

1 8. A kit of brackets for a truck side utility rack
2 comprising:

3 at least two generally "T"-shaped upper inner brackets, each
4 having a vertically oriented sleeve and an outward extending
5 receiving tube;

6 at least two generally "L"-shaped lower inner brackets, each
7 having a vertically oriented connecting sleeve and an outward
8 extending receiving tube;

9 at least two generally "L"-shaped lower outer brackets, each
10 having a vertically oriented sleeve and an inward extending
11 insert tube having dimensions for adjustable insertion within
12 said outward extending receiving tube of said lower inner
13 bracket;

14 at least two generally "Y"-shaped attachment brackets, each
15 having a vertical connecting sleeve and an inward extending
16 connecting sleeve extending inward and upward from said vertical
17 sleeve at an acute angle; and

18 at least two hook brackets, each having an outward curved
19 hook corresponding to the size of a pipe rack length tube, said
20 hook extending from a connecting sleeve.

1 9. The kit of brackets of claim 8, further comprising at
2 least two generally "T"-shaped upper outer bracket having a
3 vertically oriented sleeve and an inward extending insert tube
4 having dimensions for adjustable insertion within said outward
5 extending receiving tube of said upper inner bracket.

1 10. The kit of brackets of claim 9, wherein each said
2 generally "T"-shaped upper inner brackets has a vertically
3 oriented sleeve having an adjustment screw for adjustably
4 locating said upper inner bracket to a vertical pipe extending
5 therethrough, and said outward extending receiving tube is a
6 horizontally disposed square tube having an insertion tube
7 adjusting screw.

1 11. The kit of brackets of claim 10, wherein each said
2 generally "T"-shaped upper outer brackets has a vertically
3 oriented sleeve having an adjustment screw for adjustably
4 locating said upper outer bracket to a vertical pipe extending
5 therethrough, and said inward extending insertion tube is a
6 horizontally disposed square tube of such dimensions as to fit
7 within said receiving tube of said upper inner bracket and
8 adjustably located by said adjusting screw.

1 12. The kit of brackets of claim 9, wherein each of said
2 lower inner brackets has a vertically disposed connector sleeve
3 for receiving a vertical pipe and having a plurality of spaced
4 throughbores corresponding with throughbores in said vertical
5 pipe for receiving mounting bolts for fastening said lower inner
6 bracket to said pipe, wherein each of said lower inner brackets
7 has a horizontally disposed sleeve disposed inward of said
8 vertically disposed connecting sleeve, said horizontally disposed
9 sleeve for receiving a horizontal pipe, said horizontally
10 disposed sleeve having an adjusting screw for adjustably locating
11 said lower inner bracket along the horizontal pipe.

1 13. The kit of brackets of claim 12, wherein each of said
2 lower inner brackets has a bumper located inward of said
3 horizontally disposed sleeve.

1 14. The kit of brackets of claim 13, wherein each of said
2 lower inner brackets has a square insertion tube extending
3 horizontally outward therefrom, said insertion tube having an
4 adjusting screw.

1 15. The kit of brackets of claim 14, wherein each of said
2 lower outer brackets has a vertically disposed sleeve having an
3 adjusting screw for receiving a vertical pipe and fastening said
4 vertical pipe within said sleeve by means of said adjusting
5 screw.

1 16. The kit of brackets of claim 15, wherein each of said
2 lower outer brackets has a horizontally disposed square insertion
3 tube of such dimensions as to fit within said receiving tube of
4 said lower inner bracket and adjustably located by said adjusting
5 screw.

1 17. The kit of brackets of claim 9, wherein each of said at
2 least two generally "Y"-shaped attachment brackets a vertical
3 connector sleeve for receiving a vertical pipe and having a
4 plurality of spaced throughbores corresponding with throughbores
5 in said vertical pipe for receiving mounting bolts for fastening
6 said attachment bracket to said pipe.

1 18. The kit of brackets of claim 17, wherein each of said
2 attachment brackets has and an inward extending connecting sleeve
3 extending inward and upward from said vertical sleeve at an acute
4 angle for receiving the lower end of an angled pipe and having a
5 plurality of spaced throughbores corresponding with throughbores

6 in said angled pipe for receiving mounting bolts for fastening
7 said attachment bracket to said pipe.

1 19. The kit of brackets of claim 18, wherein each of said
2 hook brackets has an a outward and downward extending connecting
3 sleeve at an acute angle for receiving the upper end of said
4 angled pipe and having a plurality of spaced throughbores
5 corresponding with throughbores in said angled pipe for receiving
6 mounting bolts for fastening said hook bracket to said pipe.

1 20. The kit of brackets of claim 19, wherein each of said
2 hook brackets has a hook flat having an outer upper edge, an
3 inner edge, a free end, and an attachment end extending from an
4 upper end portion of said connecting sleeve in an upward and
5 outward direction so as to hook over a lengthwise tube of a truck
6 pipe rack.